**Description**

**Steadysun** SW-X series is the ultimate Sky Imager solution for mission-critical solar power systems. When solar generation variability threatens your power system, SW-X series monitors fast changing sky condition delivering next hour accurate solar production forecasts to trigger your balancing means.

**SteadyEye** forecasting solutions are tailored for industrial applications such as hybrid systems (i.e. PV-diesel), utility scale plants, CSP as well as urban distributed installations.

**SteadyEye** service setup configurations are available in standalone or in Software as a Service.

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**Features**

- Capture 4 km² high resolution sky images
- Stand-alone or Software as a Service configurations
- Modbus or IP connection to SCADA
Features

- Supporting IT environment and stand-alone systems
- Remote device configuration
- Reduced maintenance costs
- Integrated forecasting solution equipment and service
- Daily remote control to update learning machine process and models
- Local processing & forecast production
- Perfect for on-grid, off-grid, storage, hybrid and smart grid systems

WAN configuration
(permanent internet connection – upload 2 Mbps)

Stand-alone configuration (without permanent internet connection)

Implementation

- Configuration phase: defining procedures for data exchange: SFTP, Modbus, Email, ...
- Camera setup (Plug and Play)
- Production phase: provision of solar power forecasting files
- Remote support, Support & Hotline: 7 days a week

Key benefits

- Anticipate power drops
- Reduce hybrid plant operation costs
- Facilitate balancing of power grids
- Improve off-grid energy system operation
- Increase PV share in energy mix
- Integrate more efficiently solar power into non-interconnected grids

Applications

- Hybrid systems
- Off-grid sites
- CSP plants
- Distribution grids
- Smart grids

System diagrams

An example of application

Minutes ahead forecast to dynamically adjust system spinning reserve

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